

...APRIL 2010 REGIONAL CLIMATE SUMMARY...

SUMMARY FOR THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA...

...A COOL AND WET APRIL...

APRIL 2010 WAS COOLER THEN NORMAL AND MUCH WETTER THAN NORMAL. FIVE LATE-SEASON WEATHER SYSTEMS BROUGHT RAINFALL TO THE AREA...AND THESE RAIN EVENTS WERE SCATTERED THROUGHOUT THE MONTH. LIGHT TO MODERATE AMOUNTS OF RAIN FELL AT THE BEGINNING AND THE END OF THE MONTH...ON THE 2ND AND AGAIN ON THE 27TH/28TH. THE OTHER THREE WEATHER SYSTEMS...THOSE THAT MOVED THROUGH ON THE 4TH/5TH...THE 11TH/12TH... AND THE 20TH/21ST PRODUCED HEAVIER RAINFALL AMOUNTS. THE RAIN EVENT ON THE 11TH AND 12TH WAS THE BIGGEST RAIN PRODUCER OF THE MONTH IN THE SAN FRANCISCO BAY AREA. IN FACT...TWO BAY AREA LOCATIONS...SAN FRANCISCO AIRPORT AND OAKLAND...SET DAILY RAINFALL RECORDS ON THE 11TH WHEN THESE LOCATIONS ACCUMULATED 0.92 AND 0.81 INCHES OF RAIN RESPECTIVELY. FARTHER SOUTH...IN CITIES AND TOWNS SUCH AS GILROY... HOLLISTER...SALINAS AND CARMEL VALLEY...THE WEATHER SYSTEM THAT MOVED THROUGH ON THE 4TH AND 5TH OF THE MONTH WAS THE BIGGEST IN TERMS OF RAINFALL AMOUNTS. EACH OF THOSE LOCATIONS PICKED UP MORE THAN AN INCH OF RAIN FROM THAT WEATHER SYSTEM.

AFTER A DRIER THAN NORMAL MARCH...APRIL RAINFALL STATISTICS MOVED SHARPLY IN THE OPPOSITE DIRECTION. 30-YEAR RAINFALL AVERAGES FOR OUR AREA SHOW THAT MONTHLY RAINFALL TOTALS TYPICALLY DROP SIGNIFICANTLY FROM MARCH INTO APRIL WITH MARCH NORMALS GENERALLY MORE THAN TWICE THAT OF APRIL. HOWEVER...IN 2010...RAINFALL TOTALS IN APRIL WERE LARGER THAN IN MARCH AT NEARLY ALL REPORTING LOCATIONS...AND IN SOME AREAS MUCH LARGER. RAINFALL TOTALS FOR APRIL 2010 RANGED FROM 200 TO 300 PERCENT OF NORMAL IN MOST AREAS...AND MORE THAN 300 PERCENT OF NORMAL AT SEVERAL LOCATIONS THROUGHOUT THE REGION. BY THE END OF THE MONTH...YEAR-TO-DATE (YTD) RAINFALL TOTALS HAD RISEN TO MORE THAN 100 PERCENT OF NORMAL IN ALL AREAS EXCEPT THE NORTH BAY. IN ADDITION...BY APRIL 30TH...CURRENT YTD RAIN TOTALS IN ALL AREAS EXCEPT THE NORTH BAY HAD ALREADY SURPASSED AVERAGE RAINFALL FOR THE FULL RAIN YEAR (JULY 1-JUNE 30).

ALTHOUGH NOT SUFFICIENT TO ERASE LARGE WATER STORAGE DEFICITS ACROSS THE REGION AND STATE...MUCH GREATER THAN NORMAL RAINFALL AND MOUNTAIN SNOWFALL IN APRIL HELPED EASE DROUGHT CONDITIONS TO SOME EXTENT.

BESIDES BRINGING BENEFICIAL RAINS...THE UNSETTLED WEATHER PATTERN DURING APRIL ALSO RESULTED IN COOLER THAN NORMAL CONDITIONS. AVERAGE HIGH TEMPERATURES WERE ANYWHERE FROM JUST A FEW DEGREES BELOW NORMAL TO AS MUCH AS EIGHT DEGREES BELOW NORMAL. SIGNIFICANT CLOUD COVER HELPED HOLD MINIMUM TEMPERATURES UP TO SOME EXTENT...BUT NEARLY ALL REPORTING LOCATIONS SAW AVERAGE LOW TEMPERATURES FOR THE MONTH FALL SHORT OF NORMAL BY A FEW DEGREES. EVEN THOUGH THE MONTH AS A WHOLE WAS COOL...ONLY ONE DAILY RECORD LOW TEMPERATURE WAS RECORDED. INTERESTINGLY...THIS ONE RECORD LOW WAS MATCHED BY ONE DAILY RECORD HIGH. A BRIEF WARM-UP TOWARD THE END OF THE MONTH (SUNDAY THE 25TH) RESULTED IN A RECORD HIGH TEMPERATURE IN OAKLAND.

...APRIL REGIONAL TEMPERATURE SUMMARY...

			DEPARTURE			DEPARTURE
LOCATION	AVG HIGH	NORMAL HIGH	FROM NORMAL	AVG LOW	NORMAL LOW	FROM NORMAL
NORTH BAY...						
CALISTOGA	66.9	72.6	-5.7	M 42.3		M
KENTFIELD	63.6	70.5	-6.9	43.8	45.3	-1.5
NAPA	68.3	71.1	-2.8	42.9	44.6	-1.7
PETALUMA	M	68.9	M	M	43.6	M
SAINT HELENA	67.6	72.0	-4.4	42.8	43.8	-1.0
SAN RAFAEL	62.3	69.1	-6.8	45.1	47.1	-2.0
SANTA ROSA	66.2	69.3	-3.1	41.9	44.5	-2.6
SONOMA	M	71.9	M	M	42.9	M
SAN FRANCISCO PENINSULA...						
HALF MOON BAY	61.6	60.8	0.8	42.8	44.7	-1.9
PACIFICA	M	64.3	M	M	47.4	M
PALO ALTO	M	69.0	M	M	44.9	M
REDWOOD CITY	64.4	70.4	-6.0	44.4	45.7	-1.3
SAN FRANCISCO AIRPORT	62.8	64.5	-1.7	48.3	48.1	0.2
SAN FRANCISCO DOWNTOWN	61.1	64.1	-3.0	48.8	50.2	-1.4
EAST BAY...						
BERKELEY	M	64.0	M	44.7	48.4	-3.7
CONCORD	65.7	71.2	-5.5	46.3	48.7	-2.4
FREMONT	64.8	68.1	-3.3	46.9	48.0	-1.1
LIVERMORE	66.8	71.4	-4.6	43.5	44.2	-0.7
MARTINEZ	66.9	72.4	-5.5	42.4	46.3	-3.9
MOUNT DIABLO JUNCTION	56.6	64.8	-8.2	40.2	43.1	-2.9
NEWARK	64.0	67.2	-3.2	48.3	49.8	-1.5
OAKLAND	64.3	66.6	-2.3	48.1	50.7	-2.6
RICHMOND	62.1	67.2	-5.1	45.8	49.0	-3.2
SOUTH BAY AND SANTA CRUZ COUNTY...						
BEN LOMOND	66.4	71.9	-5.5	39.8	41.6	-1.8
GILROY	66.9	73.0	-6.1	43.9	44.9	-1.0
LOS GATOS	M	70.7	M	M	43.9	M
MOUNT HAMILTON	50.8	55.8	-5.0	36.2	40.0	-3.8
SAN JOSE	65.3	70.7	-5.4	46.2	48.2	-2.0
SANTA CRUZ	65.3	68.2	-2.9	43.5	44.3	-0.8
WATSONVILLE	63.7	67.3	-3.6	44.0	45.0	-1.0

MONTEREY AND SAN BENITO COUNTIES...

BIG SUR STATION	63.4	66.6	-3.2	41.0	43.8	-2.8
CARMEL VALLEY	64.4	66.5	-2.1	40.6	41.6	-1.0
HOLLISTER	65.8	70.7	-4.9	43.1	44.1	-1.0
KING CITY	68.4	74.2	-5.8	42.6	42.0	0.6
MONTEREY	60.2	64.3	-4.1	45.1	46.3	-1.2
PINNACLES NATIONAL						
MONUMENT	M	71.3	M	M	39.1	M
SALINAS	64.2	67.4	-3.2	43.2	45.9	-2.7

...APRIL REGIONAL PRECIPITATION SUMMARY...

LOCATION	APRIL TOTAL	AVERAGE APRIL PRECIP	PERCENT OF NORMAL
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NORTH BAY...

CALISTOGA	7.25	2.03	357
KENTFIELD	6.80	2.55	267
MUIR WOODS	4.77	2.24	213
NAPA	3.86	1.45	266
OCCIDENTAL	8.12	3.35	242
PETALUMA	M	1.40	M
SAINT HELENA	5.49	1.75	314
SAN RAFAEL	4.34	1.62	268
SANTA ROSA	4.29	1.69	254
SONOMA	M	1.59	M

SAN FRANCISCO PENINSULA...

HALF MOON BAY	3.59	1.77	203
PACIFICA	M	1.59	M
PALO ALTO	M	0.90	M
REDWOOD CITY	2.83	1.07	264
SAN FRANCISCO			
AIRPORT	2.75	1.17	235
SAN FRANCISCO			
DOWNTOWN	3.59	1.22	294

EAST BAY...

BERKELEY	4.10	1.71	240
CONCORD	3.47	1.01	344
FREMONT	2.73	1.15	237
LIVERMORE	2.10	0.95	221
MARTINEZ	3.19	1.04	307
MOUNT DIABLO			
JUNCTION	4.18	1.45	288
NEWARK	2.63	0.94	280
OAKLAND	3.25	1.35	241
RICHMOND	4.73	1.35	350

SOUTH BAY AND SANTA CRUZ COUNTY...

BEN LOMOND	7.47	2.78	269
GILROY	4.40	1.16	379
LOS GATOS	M	1.19	M
MOUNT HAMILTON	4.39	1.77	248
SAN JOSE	3.03	1.02	297
SANTA CRUZ	4.49	1.97	228
WATSONVILLE	4.19	1.62	259

MONTEREY AND SAN BENITO COUNTIES...

BIG SUR STATION	7.49	2.77	270
CARMEL VALLEY	3.56	1.48	241
HOLLISTER	3.31	0.84	394
KING CITY	1.89	0.71	266
MONTEREY	3.78	1.48	255
PINNACLES NATIONAL			
MONUMENT	M	1.12	M
SALINAS	3.32	1.03	322

...DAILY TEMPERATURE RECORDS FOR MAY 2010...

DATE	LOCATION	RECORD HIGH TEMP	OLD RECORD
4/25	DOWNTOWN OAKLAND	79	78 IN 1997
		RECORD LOW TEMP	
4/29	DOWNTOWN OAKLAND	46	46 IN 2009

...MONTHLY RANKS FOR DOWNTOWN SAN FRANCISCO...

AVERAGE HIGH TEMPERATURE....61.1....32ND COOLEST OUT OF 135 YEARS
 AVERAGE LOW TEMPERATURE....48.8....53RD COOLEST OUT OF 135 YEARS
 MONTHLY RAINFALL.....3.59 INCHES....17TH WETTEST OUT OF 160 YEARS

NOTE: THIS CLIMATOLOGICAL DATA IS PRELIMINARY. FOR OFFICIAL
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